

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

Paulus Pieter DE WIT

Attn: PCT Branch

Application No. New U.S. National Stage of PCT/EP03/07327

Filed: December 29, 2004

Docket No.: 122235

For: DEPOLYMERIZATION OF WATER SOLUBLE POLYSACCHARIDES

**SUBMISSION OF THE ANNEXES TO THE
INTERNATIONAL PRELIMINARY EXAMINATION REPORT**

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Attached hereto is a submission of the annexes to the International Preliminary Examination Report (Form PCT/IPEA/409). The attached translated material replaces claims 1-7.

Respectfully submitted,


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Date: December 29, 2004

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CLAIMS

1. A process for preparing a solution of a polysaccharide or polysaccharide ether having a viscosity of 1,000 mPa.s or less comprising adding to an aqueous medium a polysaccharide or polysaccharide ether and an alkaline depolymerization agent.
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2. A process according to claim 1, characterized in that the polysaccharide or polysaccharide ether and the alkaline depolymerization agent are added simultaneously to the aqueous medium.
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3. A process according to claim 1, characterized in that a solid composition comprising the polysaccharide or polysaccharide ether and the alkaline depolymerization agent is added to the aqueous medium.
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4. A process according to any one of claims 1-3, characterized in that the alkaline depolymerization agent is selected from the group consisting of sodium percarbonate, sodium perborate, carbamide peroxide in combination with a base, sodium persulfate in combination with a base, 3-chloroperoxybenzoic acid (m-CPBA) in combination with a base, and mixtures thereof.
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5. A process according to any one of claims 1-3, characterized in that the base is sodium hydroxide or sodium carbonate.
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6. A process according to claim 4, characterized in that the alkaline depolymerization agent is sodium percarbonate, sodium perborate or sodium persulfate in combination with a base.
7. A process according to any one of claims 1-6, characterized in that the polysaccharide ether is selected from the group consisting of carboxymethyl
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cellulose, hydrophobically modified carboxymethyl cellulose, hydroxyethyl cellulose, hydrophobically modified hydroxyethyl cellulose, ethyl hydroxyethyl cellulose, and hydrophobically modified ethyl hydroxyethyl cellulose.

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8. A solid composition comprising a polysaccharide ether and an alkaline depolymerization agent.

9. A composition according to claim 8, characterized in that the alkaline depolymerization agent is selected from the group consisting of sodium percarbonate, sodium perborate, carbamide peroxide in combination with a base, sodium persulfate in combination with a base, 3-chloroperoxybenzoic acid (m-CPBA) in combination with a base, and mixtures thereof.

10. A composition according to claim 9, characterized in that the depolymerization agent is sodium percarbonate, sodium perborate, or sodium persulfate in combination with a base.

11. A composition according to any one of claims 8-10, characterized in that the polysaccharide ether is selected from the group consisting of carboxymethyl cellulose, hydrophobically modified carboxymethyl cellulose, hydroxyethyl cellulose, hydrophobically modified hydroxyethyl cellulose, ethyl hydroxyethyl cellulose, and hydrophobically modified ethyl hydroxyethyl cellulose.

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12. A composition according to any one of claims 8-11 comprising carboxymethyl cellulose and sodium percarbonate.